

Safety Data Sheet

according to Regulation (EC) No 1907/2006

OaseFol Primer 0,75 l

Print date: 25.04.2014

Product code: 40000

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

OaseFol Primer 0,75 l

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**professional use.
Primer**Uses advised against**

not known

1.3. Details of the supplier of the safety data sheet

Company name:	OASE GmbH	
Street:	Tecklenburger Straße 161	
Place:	D-48477 Hörstel	
Telephone:	+49 (5454) 800	Telefax: +49 (5454) 8090
e-mail:	info@oase-livingwater.com	
Contact person:	Markus Dreyer; Forschung und Entwicklung	Telephone: +49 (5454) 80450
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Internet:	www.oase-livingwater.com	
Responsible Department:	Dr. Timo Gans-Eichler Chemieberatung Raesfeldstr. 22 D-48149 Münster	e-mail: info@tge-consult.de Tel.: +49 (0)251/924520-60 www.tge-consult.de

1.4. Emergency telephone number:

Beratungsstelle für Vergiftungserscheinung in Berlin: +49 (30) - 30686 790

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Indications of danger: F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment

R phrases:

Possible risk of harm to the unborn child.

Highly flammable.

Irritating to skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

GHS classification

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Reproductive toxicity: Repr. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause drowsiness or dizziness.

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Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

toluene
heptane; n-heptane

Signal word:

Danger

Pictograms:

GHS02-GHS07-GHS08-GHS09



Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapour.
P281	Use personal protective equipment as required.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P501	Dispose of contents/container to in accordance with official regulations.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
203-625-9	toluene	> 70 %
108-88-3	Repr. Cat. 3, F - Highly flammable, Xn - Harmful, Xi - Irritant R11-63-48/20-65-38-67	
601-021-00-3	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3; H225 H361d *** H304 H373 ** H315 H336	
205-563-8	heptane; n-heptane	3 - 7 %
142-82-5	F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-65-38-67-50-53	
601-008-00-2	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H225 H304 H315 H336 H400 H410	

Full text of R and H phrases: see Section 16.

Further Information

Product does not contain listed SVHC substances.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Do not induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation causes narcotic effects/intoxication.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Carbon dioxide. Extinguishing powder. Dry extinguishing powder. alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. Can be released in case of fire: Carbon monoxide.

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Carbon dioxide (CO₂).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. (Refer to chapter 8.) Remove all sources of ignition.
Ventilate affected area.

6.2. Environmental precautions

Make sure spills can be contained (e.g. sump pallets or kerbed areas). Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the assimilated material according to the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Further information on handling

Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.
Flammable vapours can accumulate in steam space of closed systems.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Radioactive substances. Infectious substances. Explosives
Non-combustible toxic substances. ammonium nitrate. Organic peroxides. Self-reactive substances
and mixtures: Substances or mixtures which, in contact with water emit flammable gases Pyrophoric
liquids. Flammable solids. Oxidizing liquids. Oxidizing solids. Gas.

Further information on storage conditions

Recommended storage temperature: 20°C
Protect against: Light. heat. cooling. moisture.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL
142-82-5	n-Heptane	500	2085		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls



Appropriate engineering controls

In case of open handling equipment with built-in suction must be used.

Protective and hygiene measures

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use. Used working clothes should not be used outside the work area. Street clothing should be stored separately from work clothing. Repeated exposure may cause skin dryness or cracking. Protect skin by using skin protective cream.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

Hand protection

Pull-over gloves of rubber. DIN EN 374
 Suitable material:
 (penetration time (maximum wearing period): > 4 h)
 FKM (fluororubber). (0,4 mm)
 In case of reutilization, clean gloves before taking off and store in well-aired place.

Skin protection

Protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection required in case of:
 exceeding critical value
 insufficient ventilation.
 Suitable respiratory protective equipment: gas filtering equipment (EN 141).
 Only use breathing apparatus with CE-label including the four-digit identification number.
 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

Environmental exposure controls

Dumping into the environment must be prevented.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: dark green - dark grey

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Odour: aromatic.

Test method

pH-Value: N/A

Changes in the physical state

Melting point: -95 °C
 Initial boiling point and boiling range: 110,4 °C
 Flash point: 4,4 °C

Explosive properties

In vaporous/gaseous state: formation of explosive air/gas mixtures possible.

Lower explosion limits: 1,3 vol. %
 Upper explosion limits: 7 vol. %
 Ignition temperature: not determined

Oxidizing properties

none/none

Vapour pressure: ~49 hPa
 (at 30 °C)
 Density (at 4 °C): 0,88 g/cm³
 Water solubility: practically insoluble

Solubility in other solvents

Alcohol. ether

Partition coefficient: 2 - 3
 Viscosity / dynamic: ~ 0,6 mPa·s
 (at 20 °C)
 Vapour density: 3,14
 Solvent separation test: No data available
 Solvent content: ~ 73 % - Data concerning the Directive
 1999/13/EC on the limitation of emissions of
 volatile organic compounds (VOC-RL)

9.2. Other information

Relative vapour density (air=1): 3,14
 Evaporation rate: 2,1

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Ignition hazard. Keep away from heat.

10.5. Incompatible materials

Oxidizing agents, strong. acid. alkali. amines.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
108-88-3	toluene				
	oral	LD50	> 5000 mg/kg	Rat.	
	dermal	LD50	> 5000 mg/kg	Rabbit.	GESTIS
	inhalative (4 h) vapour	LC50	> 20 mg/l	Rat.	GESTIS

Irritation and corrosivity

Causes skin irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (toluene), (heptane; n-heptane)

Severe effects after repeated or prolonged exposure

Repeated exposure may cause skin dryness or cracking.

May cause damage to organs through prolonged or repeated exposure. (toluene)

toluene:

Chronic inhalative toxicity (24 m): NOAEC = 300 ppm (Rat.)

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging the unborn child. (toluene)

toluene:

Evidence exists for mutagenicity in vivo .

heptane; n-heptane:

OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) = negative.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
108-88-3	toluene					
	Acute fish toxicity	LC50	5,5 mg/l	96 h	Oncorhynchus kisutch	IUCLID
	Acute algae toxicity	ErC50	12,5 mg/l	72 h		GESTIS
	Acute crustacea toxicity	EC50	3.78 mg/l	48 h	Ceriodaphnia dubia	
142-82-5	heptane; n-heptane					
	Acute crustacea toxicity	EC50	1,5 mg/l	48 h	Daphnia magna	ECHA-Dossier

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-88-3	toluene	2,73
142-82-5	heptane; n-heptane	4,66

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Moreover, national legislation has to be observed! Consult the local waste disposal expert about waste disposal. Cleaned containers may be recycled.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

Handle contaminated packaging in the same way as the substance itself.

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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 640D
 Limited quantity: 5 L
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Other applicable information (land transport)

Excepted quantity: E0

Inland waterways transport (ADN)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 640D
 Limited quantity: 5 L

Other applicable information (inland waterways transport)

Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Marine pollutant: YES
 Special Provisions: -
 Limited quantity: 5 L
 EmS: F-E, S-D

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Other applicable information (marine transport)

Excepted quantity: E2

Air transport (ICAO)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Special Provisions: A3
 Limited quantity Passenger: 1 L
 IATA-packing instructions - Passenger: 353
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 364
 IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

Passenger-LQ: Y341
 Excepted quantity: E2

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: toluene
 heptane; n-heptane

14.6. Special precautions for user

refer to chapter 6-8

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC): ~ 73 % ; VOC Directive 2004/42/EC: ~ 727 g/L

Additional information

The preparation is dangerous in the sense of Directive 1999/45/EC.
 This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

Adhesives, sealants:
 REACH 1907/2006 Appendix XVII, No. 48: > 0,1% toluene. : For professional users only.

Regulation 96/82/EC for danger control following severe accidents with dangerous substances:
 Appendix I, Part 2, No 9ii (Seveso II)

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

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Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Rev. 1.0 Initial release 24.04.14

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
OSHA: Concerning the International Transport of Dangerous Goods by Rail)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
LOAEL: Lowest observed adverse effect level
NOAEC: No observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
DNEL: Derived No Effect Level
PNEC: predicted no effect concentration
TSCA: Toxic Substances Control Act
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
NTP: National Toxicology Program
SARA: Superfund Amendments and Reauthorization Act
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
PBT: Persistent bioaccumulative toxic
SVHC: substance of very high concern

Full text of R phrases referred to under Sections 2 and 3

11	Highly flammable.
38	Irritating to skin.
48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
50	Very toxic to aquatic organisms.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
63	Possible risk of harm to the unborn child.
65	Harmful: may cause lung damage if swallowed.
67	Vapours may cause drowsiness and dizziness.

Full text of H statements referred to under Sections 2 and 3

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)